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Observtional Study

Mobile phones in the orthopedic operating room: Microbial colonization and antimicrobial resistance

Qureshi NQ *et al.* Microbes on mobiles in operating rooms

Nada Qaisar Qureshi, Syed Hamza Mufarrih, Seema Irfan, Rizwan Haroon Rashid, Akbar Jaleel Zubairi, Anum Sadruddin, Israr Ahmed, Shahryar Noordin

Abstract

BACKGROUND

Surgical site infections are a major cause of morbidity and mortality following orthopedic surgery. Recent efforts to identify sources of contamination in the operating rooms have implicated mobile phones.

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Cell-phones are the typical kind of object brought into the **operating room** from outside by **hospital staff**. A great effort is made to reduce the level of potentially **contaminating bacteria** in the **operating room**, and introducing these **devices** may run counter to good practice.

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Mobile phones: Reservoirs for the transmission of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4549928>

Jul 27, 2015 · A total of 386 mobile phones and hand swab samples were analyzed for the presence of bacterial pathogens. Out of these, 316 mobile phones (**81.8%**) and **309 hand swab samples** (80%) showed growth of bacterial pathogens.

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[PDF] Room Tourniquets in the Orthopedic Operating

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Previous literature has identified **stethoscopes** [4-6], mobile phones [5], **marking pens** [7], and **blood-pressure cuffs** [7] as possible sources of infection in the operating room. The reusable pneumatic tourniquet, a "non-critical" item as per the Spaulding classification,

Nasal colonization and bacterial contamination of mobile ...

https://www.researchgate.net/publication/317271893_Nasal_colonization_and_bacterial...

M... 2017. Nasal colonization and bacterial contamination of mobile phones in the operating room.



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<https://www.researchgate.net/publication/317271893...>

May 31, 2017 · Nasal **colonization and** bacterial contamination of **mobile phones** carried by medical staff in the **operating room** Article (PDF Available) in PLoS ONE 12(5):e0175811 · May 2017 with 90 ...

Bacterial contamination of mobile phones of health ...

<https://link.springer.com/article/10.1186/s41182-019-0144-y>

Feb 27, 2019 · There is a high contamination rate of mobile phones with **nosocomial pathogens**. Most